BRUHATH BANGALORE MAHANAGARA PALIKE

DASARAHALLI ELECTRICAL DIVISION

MEASUREMENT BOOK

Name of work: :-Annual maintenance of street lights Package - D 2 in Shettyhalli surrounding area ward no 12

Job Code No:-012-22-000005

Agreement No:EE/Ele/DZ/TEND/AGR/000010/2022-23 Date:31.03.2022

Reference to Supplementatry Agreement No: EE/Ele/DZ/TEND/SAG/22/22-23 Date:24.03.2023

Ref no and Date of commencement of work:-:-EE/(Elec)/DZ/TEND/WO/000002/2022-23 Date:04-04-2022

Reference to Supplementatry Work order No:- EE/Ele/DZ/TEND/SWO/28/22--23 Date:24.03.2023

Estimate Amount:Rs. 2900000.00

Administartive Sanction No:EE/(Elec)/DZ/TEND/AS/11/2021-22 Date:21-03-2022

Technical Sanction No:EE/(Elec)/DZ/TEND/TS/128/2021-22 Date:06-01-2022

Name of Contractror of nature of Agency:- CHIKKANNA G (CHETHAN ELECTRICALS)

Measurement Book No: 6897 **Page No:** 689605 - 689 **date:** 24/07/2023

Bill NO :- 11th **RA Bill** **Bill Period :-** 01.06.2023 to 30.06.2023

Sl. No.	Description	Unit	Period 1 Month	Present Measurements			
				Qty	Tender Full Rate for 1 year	Rate/ Month	Cost
1	Operation and Maintenance of street lighting system including replacement of damaged/failed/fused out components like Lamps, Tubes, Chokes, Ignitors, Capacitors, Switches , wires, Holders, Starters ,and switching ON/OFF of street lights at specified timing and Pole numbering, Preparing ward wise, street wise data bank furnishing maintenance reports ,every day etc, complete so as to ensure efficient burning of street lights detailed in tender documents for various type of street lighting systems as detailed below. 36/40 W fluorescent tube light street lighting system.	Each	1	20	685.45	57.12	1142.40
	No of complaints attended for the period of 01.06.2023 TO 30.06.2023						
2	Operation and Maintenance of street lighting system including replacement of damaged/failed/fused out components like Lamps, Tubes, Chokes, Ignitors, Capacitors, Switches , wires, Holders, Starters ,and switching ON/OFF of street lights at specified timing and Pole numbering, Preparing ward wise, street wise data bank furnishing maintenance reports ,every day etc, complete so as to ensure efficient burning of street lights detailed in tender documents for various type of street lighting systems as detailed below. 125W HPMV Park lighting system.	Nos	1	68	756.29	63.02	4285.36
	No of complaints attended for the period of 01.06.2023 TO 30.06.2023						

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25/7/23
EE (Ele)
DZ

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3	Operation and Maintenance of street lighting system including replacement of damaged/failed/fused out components like Lamps, Tubes, Chokes, Ignitors, Capacitors, Switches , wires, Holders, Starters ,and switching ON/OFF of street lights at specified timing and Pole numbering, Preparing ward wise, street wise data bank furnishing maintenance reports ,every day etc, complete so as to ensure efficient burning of street lights detailed in tender documents for various type of street lighting systems as detailed belowPoles with 250W HPSV street lighting system.	Each	1	1884	1019.41	84.95	160045.38
	No of complaints attended for the period of 01.06.2023 TO 30.06.2023						
4	Operation and Maintenance of street lighting system including replacement of damaged/failed/fused out components like Lamps, Tubes, Chokes, Ignitors, Capacitors, Switches , wires, Holders, Starters ,and switching ON/OFF of street lights at specified timing and Pole numbering, Preparing ward wise, street wise data bank furnishing maintenance reports ,every day etc, complete so as to ensure efficient burning of street lights detailed in tender documents for various type of street lighting systems as detailed below 400 watts HPSV street light /High mast lighting system.	Each	1	132	1118.08	93.17	12298.44
	No of complaints attended for the period of 01.06.2023 TO 30.06.2023						
5	Operation and Maintenance of LED street lighting system including replacement of damaged/failed/fused out components like LED drivers, MCPCB, surge protective device,, Switches , wires, Holders, Starter observing weather proofing technic confirming to IP 65 standards. and , switching ON/OFF of street lights at specified timing and Pole numbering , Preparing ward wise ,street wise street light data bank , furnishing maintenance reports ,every day etc, complete so as to ensure efficient burning of street lights detailed in tender documents for 24 Watt to 40 Watt LED Park/ street lighting system.	Each	1	5	880.01	73.33	366.65
	No of complaints attended for the period of 01.06.2023 TO 30.06.2023						
6	Operation and Maintenance of LED street lighting system including replacement of damaged/failed/fused out components like LED drivers, MCPCB, surge protective device,, Switches , wires, Holders, Starter observing weather proofing technic confirming to IP 65 standards. and , switching ON/OFF of street lights at specified timing and Pole numbering , Preparing ward wise ,street wise street light data bank , furnishing maintenance reports ,every day etc, complete so as to ensure efficient burning of street lights detailed in tender documents for 40 Watt to 65 W LED street Light lighting system.	Each	1	182	1147.43	95.61	17401.02
	No of complaints attended for the period of 01.06.2023 TO 30.06.2023						

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	eration and Maintenance of LED street lighting system cluding replacement of damaged/failed/fused out components e LED drivers, MCPCB, surge protective device,, Switches , res, Holders, Starter observing weather proofing technic nfirming to IP 65 standards. and , switching ON/OFF of street hts at specified timing and Pole numbering , Preparing ward ise ,street wise street light data bank , furnishing maintenance eports ,every day etc, complete so as to ensure efficient burning f street lights detailed in tender documents for 90W LED street ght lighting system.	Each	1	55	1377.66	114.80	6314.00
	No of complaints attended for the period of 01.06.2023 TO 30.06.2023						
	Operation and Maintenance of LED street lighting system including replacement of damaged/failed/fused out components like LED drivers, MCPCB, surge protective device,, Switches , wires, Holders, Starter observing weather proofing technic confirming to IP 65 standards. and , switching ON/OFF of street lights at specified timing and Pole numbering , Preparing ward wise ,street wise street light data bank , furnishing maintenance reports ,every day etc, complete so as to ensure efficient burning of street lights detailed in tender documents for110/120 watt LED street light lighting system	Nos	1	0	1575.5	131.29	0
	No of complaints attended for the period of 01.06.2023 TO 30.06.2023						
	Operation and Maintenance of LED street lighting system including replacement of damaged/failed/fused out components like LED drivers, MCPCB, surge protective device,, Switches , wires, Holders, Starter observing weather proofing technic confirming to IP 65 standards. and , switching ON/OFF of street lights at specified timing and Pole numbering , Preparing ward wise ,street wise street light data bank , furnishing maintenance reports ,every day etc, complete so as to ensure efficient burning of street lights detailed in tender documents for 150/180 watt LED street light /High mast lighting system.	Nos	1	0	1871.51	155.96	0
	No of complaints attended for the period of 01.06.2023 TO 30.06.2023						
10	Supply and Installation / Fixing / Provision of Outdoor type Thermoplastic Modular Panel enclosure with transparent Polycarbonate Lid, shock proof, IP65 (Weather Proof), rust proof, dust proof, water proof, corrosion proof having internally Embedded gasket on both lid and flap suitable to fix Single Phase / Three Phase Energy Meter in suitable base plate and having a provision for Fuse / MCB cutout with suitable transparent hinged flap opening for operating MCB along with complete tamper proof SEALING facility 300mmx450mmx214mm	Each	1	5	5127	5127.00	25635

Sl No	Pole Number	Address
1	10001885292	Near Church, 6th Cross, Medrahalli Main Road
2	10032165755	Near David Provision Store, 7th Main, Medrahalli Colony Road
3	New Pole	13th Main, Byraveshwara Nagar Shettihalli

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4	10001881875	Opp Shettihalli Railway Gate, Medrahalli Main Road						
5	New Pole	#325, 6th B Main, AGB Layout						
11	Supply and fixing of 4pole power contactor with NO/NC contacts on existing wood/panel board using necessary bolts, nuts, washers and wiring etc., complete with AC-3 Rating and as per IS-13947 100 to 125Amps		Each	1	15	7200	7200.00	108000
12	Supplying and fixing miniature circuit breakers on existing MCB distribution boards using necessary fixing materials and 'C' Type curve, Indicator ON/OFF, energy cross-3 with Short circuit breaking capacity of 10K and complete wiring as required confirming to IEC 60898.50-63 Amps SP		Each	1	16	723	723.00	11568
13	Supplying and fixing Microprocessor Based Astronomical timer Switch with using necessary bolts, nuts and washers.		Each	1	18	4030	4030.00	72540

Sl. No	Pole No	Address						
1	No Pole Number	# 152, 1st cross, Danpal Layout						
2	No Pole Number	Near Railway Parallel road, Gate Palya, Shettihalli						
3	No Pole Number	# 23, 1st main, 5th cross, Sairam layout.						
4	No Pole Number	# 856, 10Fth Main, 8th cross, AGB Layout						
5	No Pole Number	# 65, 1st main, 7th cross, Paschim County						
6	No Pole Number	#79, 2nd cross, Reddy Layout, Shettihalli						
7	No Pole Number	Opp Chikksandra Park, Chikksandra Main road						
8	No Pole Number	Opp Srilakshmi Provision store, AYR layot Main Road						
9	No Pole Number	#68, 3rd cross, Byraveshwara Layout, Shettihalli						
10	No Pole Number	# 33, 1st cross, Aadarsh nagar, Shettihalli						
11	No Pole Number	Opp Krishna Bakery, Shettihalli Main Road						
12	No Pole Number	# 27, 2nd main, 2nd cross, R K layout						
13	No Pole Number	Opp Krishna Collage Road, Hesargatta Main Road						
14	No Pole Number	Near Prince Town Apartment, Shettihalli Main Road						
15	10001885292	Near Chruch, 6th Cross, Medrahalli Main Road						
16	10032165755	Near David Provision Store, 7th Main, Medrahalli Colony Road						
17	New Pole	#31, 4th Main, Byraveshwara Nagar, Shettihalli						
18	10001881875	Opp Shettihalli Railway Gate, Medrahalli Main Road						
19	New Pole	#325, 6th B Main, AGB Layout						
14	Wiring for lighting/power circuit using one of FRLS PVC insulated 1100V grade, multistrand copper wire with low conductor resistance single core in open or concealed system of wiring with specified IS-694:confirming to latest amendments.6 sqmm		Mtr	1	8	70	70.00	560

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pplying tinned copper lugs and crimping and wiring to rminal point for wire of the following sizes 6 sqmm	Each	1	70	7	7.00	490	
Sub Total						201853.67	
Add GST 10%			-12%	24222		177631.23	
Total			18%	31974		209604.85	
Add GST18% on item no10 to 15			18%	39383	218793.00	258175.74	
ine imposed for non burning of street lights For the eriod of 01.06.2023 TO 30.06.2023 s per street light agreement clause 2 % will be deducted n monthly maintenance bill against the released scrap material						467780.59	
GRAND TOTAL						1800.00	
						4192.10	
						461788.49	

IFICATE

1.This is to certify that the work done is saticefactorily

2.This is to certify that the bill amount calimed in this bill does not claimed in any of the previous bill

ASST EXECUTIVE ENGINEER (E
Bruhath Bangalore Mahanagara Pal
Dasarahalli Zone, Bangalore

Asst.Exe.Engineer(Elec)
Dasrahalli Division

ssistant Engineer(Elec)
Dasarahalli Division

Executive Engineer (Elo)
Bruhath Bangalore Mahanagara Palike
Dasarahalli Zone

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